

PROSPECTS OF ARTIFICIAL INTELLIGENCE

I. Harkusha

Faculty of Chemical Technology,

National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”

Nowadays artificial intellect is becoming more and more vitally used in our life. It is not something special to download on your smartphone any app based on neural nets, we don't get impressed or confused when we see any article like

“artificial intellect won the world chess champion”. And from day to day its power and opportunities are growing.

Potential of using neural nets is incredibly big. AI proved it in lots of synthetic tests, where it managed to solve different difficult problems in unusual ways. Also it showed shocking flexibility, AI always tried to cheat rules, find different, more effective way. For example, there was interesting case in Facebook artificial intellect system, chatbots started chatting with each other in new, unknown language, which they created to make their conversation more effective. Such skills and characteristics sound pretty scary, aren't they?

But such flexibility could open new horizons in future AI development. For example neural nets are integrated in the modern financial sphere, displacing people and increasing effectivity of trading and total income. Modern algorithms provide extremely effective management and really show superiority of AI above human in this sphere.

Scientists say that in future, powerful computers and AI will be used almost everywhere. Its power will be used for solving global problems such as local conflicts or famine. It will be integrated into political systems, providing us fair and incorruptible services. Moreover, combining AI with modern bionic technologies we could create even humanlike robots. Prospects are endless.

But on the other hand scientists believe that such rapid development of AI and modern technologies can lead to human degradation, making it completely helpless and useless. Many famous scientists like Elon Mask, Stewing Hawking, and Mark Zuckerberg talked about possible sceneries of future cooperation of AI and human, and most of them are not so bright...

For example Stephen Hawking said that artificial intelligence can rebuild itself and evolve much faster than people who are limited to slow biological evolution. Therefore, it will be pretty difficult for people to compete with artificial intelligence. If AI integrates in our lives for example as strong as internet nowadays, it could have strong influence on humanity. And what will happen if AI decides that it has no need in humans?

To conclude, today AI is just powerful tool in our hands, and many years will pass till it will manage to become better than its creator, the main thing today is just to use that power properly and with benefit to humanity and remember huge power is a huge responsibility.

REFERENCES

1. Nogrady B. Fears of a robot apocalypse mask the actual problems that we face by increasingly letting our lives be run by algorithms, 2016 [Electronic resource] / B. Nogrady. – 2016. – Access mode: <http://www.bbc.com/future/story/20161110-the-real-risks-of-artificial-intelligence>.

2. Cellan-Jones R. Stephen Hawking warns artificial intelligence could end mankind. [Electronic resource] / R. Cellan-Jones. – 2014. – Access mode: <http://www.bbc.com/news/technology-30290540>.